

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD1500_01_s _ 2013_9				
Comment Code					
Inspector Comment					
RD 1500 has their O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	55
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD1500_01_s _ 2013_55				
Comment Code					
Inspector Comment					
RD 1500 maintains a stockpile of flood response material.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start		Rating **	A	Issue No.	61
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_RD1500_01_s_2013_61				
Comment Code					
Inspector Comment					
RD 1500 is current with it's flood response plans and training.					

No Photos

LM Start	0.07	Rating **	M	Issue No.	137
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.761077 °	38.761077 °	
			-121.675851 °	-121.675851 °	
DWR ID	DWR_RD1500_01_f_2016_137				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_137_20170320_00090.jpg



A tree on landside slope needs trimming. Fall 2016.

LM Start	0.26	Rating **	M	Issue No.	155
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.762584 °	38.762584 °	
			-121.678542 °	-121.678542 °	
DWR ID	DWR_RD1500_01_s_2017_155				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_155_20170516_00258.jpg



View of rodent holes on landside slope. Spring 2017.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	0.30	Rating **	M	Issue No.	152
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763033 °	38.763033 °
				-121.678864 °	-121.678864 °
DWR ID	DWR_RD1500_01_s_2017_152				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_152_20170516_00256.jpg



View of rodent holes on landside slope. Spring 2017.

LM Start	0.32	Rating **	M	Issue No.	135
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763267 °	38.763267 °
				-121.679050 °	-121.679050 °
DWR ID	DWR_RD1500_01_f_2016_135				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_135_20170320_00088.jpg



Rodent activity on LS slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	0.34	Rating **	M	Issue No.	151
LM End	0.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763474 °	38.763474 °
				-121.679299 °	-121.679299 °
DWR ID	DWR_RD1500_01_s_2017_151				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_151_20170516_00257.jpg



View of rodent holes on landside slope. Spring 2017.

LM Start	0.37	Rating **	M	Issue No.	149
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763826 °	38.763826 °
				-121.679787 °	-121.679787 °
DWR ID	DWR_RD1500_01_s_2017_149				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_149_20170516_00254.jpg



View of rodent holes on landside slope. Spring 2017.

LM Start	0.38	Rating **	M	Issue No.	148
LM End	0.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763913 °	38.763913 °
				-121.679946 °	-121.679946 °
DWR ID	DWR_RD1500_01_s_2017_148				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_148_20170516_00253.jpg



View of rodent hole on landside slope. Spring 2017.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	0.41	Rating **	M	Issue No.	147
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.764106 °	38.764106 °
				-121.680347 °	-121.680347 °
DWR ID	DWR_RD1500_01_s_2017_147				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_147_20170516_00252.jpg



View of rodent holes on landside slope. Spring 2017.

LM Start	0.46	Rating **	M	Issue No.	133
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.764380 °	38.764380 °
				-121.681212 °	-121.681212 °
DWR ID	DWR_RD1500_01_s_2017_133				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_133_20170516_00251.jpg



View of rodent holes on landside slope. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	0.49	Rating **	M	Issue No.	134
LM End	0.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.764497 °	38.764497 °
				-121.681867 °	-121.681867 °
DWR ID	DWR_RD1500_01_f_2016_134				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_134_20170320_00087.jpg



Rodent burrows on LS slope. Fall 2016.

LM Start	0.52	Rating **	M	Issue No.	132
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.764511 °	38.769937 °
				-121.682344 °	-121.690701 °
DWR ID	DWR_RD1500_01_s_2017_132				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.52	Rating **	M	Issue No.	128
LM End	3.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.764512 °	38.797455 °
				-121.682345 °	-121.695529 °
DWR ID	DWR_RD1500_01_s_2017_128				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	0.56	Rating **	A/W	Issue No.	72
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.764462 °	38.764638 °
				-121.683167 °	-121.687690 °
DWR ID	DWR_RD1500_01_s_2012_72				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD1500_189_72_20170320_00041.jpg



View of the revegetation site on the waterward side toe of the levee looking upstream. Spring 2016.

LM Start	0.56	Rating **	A/W	Issue No.	72 (cont)
LM End	0.82	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD1500_189_72_20170320_00042.jpg



Sign is located at the toe of the levee on the waterward side. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	1.34	Rating **	A/W	Issue No.	6
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.770390 °	38.777282 °
				-121.690553 °	-121.685841 °
DWR ID	DWR_RD1500_01_s _ 2016_6				
Comment Code					
Inspector Comment					
2006 - New erosion upstream, new bank failures near levee but still fairly wide berm in most places. 2008 - Large berm, questionable as to if it should remain in the inventory. 2010 - Minor new erosion, old cobble starting to fail. 2011 - Cobble continues to unravel and additional slumping. 2012 - Minor new erosion at bank mid point. 2013 - Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC 86-3 L]					

Photo 1 of 1 : SP_2017_RD1500_189_6_20170320_00006.jpg



USACE 2013 Photo #1

LM Start	1.48	Rating **	M	Issue No.	127
LM End	3.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.771280 °	38.797455 °
				-121.688320 °	-121.695529 °
DWR ID	DWR_RD1500_01_s _ 2017_127				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	2.30	Rating **	A/W	Issue No.	2
LM End	2.52	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.781962 °	38.784936 °
				-121.688033 °	-121.690033 °
DWR ID	DWR_RD1500_01_s _ 2016_2				
Comment Code					
Inspector Comment					
2010 - The upstream end of the repair site at 87.0. Repair did not extend far enough upstream. 2011 - New erosion pockets. 2012 - Minor new erosion at toe. 2013 - Minor new erosion. 2015: Significant new toe erosion. [2015 Site ID: SAC_87-1_L]					

Photo 1 of 1 : SP_2017_RD1500_189_2_20170320_00002.jpg



USACE 2013 Photo #1

LM Start	2.56	Rating **	M	Issue No.	129
LM End	2.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.785633 °	38.785633 °
				-121.688777 °	-121.688777 °
DWR ID	DWR_RD1500_01_s _2017_129				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	4.00	Rating **	M	Issue No.	124
LM End	5.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.798248 °	38.803144 °
				-121.696243 °	-121.715021 °
DWR ID	DWR_RD1500_01_s _ 2017_124				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	4.00	Rating **	M	Issue No.	146
LM End	5.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.798249 °	38.803107 °
				-121.696243 °	-121.719942 °
DWR ID	DWR_RD1500_01_s_2017_146				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.37	Rating **	M	Issue No.	145
LM End	5.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.803459 °	38.803105 °
				-121.715901 °	-121.719942 °
DWR ID	DWR_RD1500_01_s_2017_145				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	5.60	Rating **	M	Issue No.	156
LM End	6.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.803057 °	38.821737 °	
			-121.720256 °	-121.722938 °	
DWR ID	DWR_RD1500_01_s_2017_156				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.60	Rating **	M	Issue No.	154
LM End	9.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.803057 °	38.852733 °	
			-121.720256 °	-121.723308 °	
DWR ID	DWR_RD1500_01_s_2017_154				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.08	Rating **	C	Issue No.	123
LM End	6.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.808736 °	38.808736 °	
			-121.722800 °	-121.722800 °	
DWR ID	DWR_RD1500_01_f_2016_123				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	7.03	Rating **	M	Issue No.	157
LM End	7.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.822436 °	38.828431 °
				-121.722827 °	-121.724041 °
DWR ID	DWR_RD1500_01_s_2017_157				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.15	Rating **	M	Issue No.	217
LM End	7.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.824119 °	38.824119 °
				-121.722776 °	-121.722776 °
DWR ID	DWR_RD1500_01_s_2012_217				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_217_20170320_00097.jpg



View of the trees on the landward side of the levee looking upstream.
Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	7.74	Rating **	M	Issue No.	158
LM End	8.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.831927 °	38.840639 °
				-121.726804 °	-121.725550 °
DWR ID	DWR_RD1500_01_s_2017_158				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.29	Rating **	M	Issue No.	150
LM End	8.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.838802 °	38.838802 °
				-121.729598 °	-121.729598 °
DWR ID	DWR_RD1500_01_s_2016_150				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion caused by vehicles and runoffs from rain.					

Photo 1 of 2 : SP_2017_RD1500_189_150_20170320_00093.jpg



Updated view of the erosion site on waterward side of the levee. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	8.29	Rating **	M	Issue No.	150 (cont)
LM End	8.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.838802 °	38.838802 °
				-121.729598 °	-121.729598 °
DWR ID	DWR_RD1500_01_s_2016_150				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion caused by vehicles and runoffs from rain.					

Photo 2 of 2 : SP_2017_RD1500_189_150_20170320_00094.jpg



View of the erosion on the waterward side of the levee looking upstream. Spring 2016.

LM Start	8.33	Rating **	M	Issue No.	3
LM End	8.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.839546 °	38.840347 °
				-121.729591 °	-121.726857 °
DWR ID	DWR_RD1500_01_s_2016_3				
Comment Code					
Inspector Comment					
1997 - Damage to cobble revetment on top left bank and toe damage. 2004 - Site is pretty minor. 2010 - Cobbles continue to deteriorate. 2011 - Minor new erosion at the toe. 2013 - Might be able to shorten due to deposition. 2015: Site shortened, downstream end has plenty of berm and deposited material, well vegetated. [2015 Site ID: SAC_92-8_L]					

Photo 1 of 1 : SP_2017_RD1500_189_3_20170320_00003.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	9.67	Rating **	M	Issue No.	160
LM End	9.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.853429 °	38.853792 °
				-121.724681 °	-121.727531 °
DWR ID	DWR_RD1500_01_s_2017_160				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.71	Rating **	A/W	Issue No.	162
LM End	9.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.853564 °	38.853564 °
				-121.725379 °	-121.725379 °
DWR ID	DWR_RD1500_01_s_2017_162				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Heavily accessed area for fishing. Recommend monitoring.					

Photo 1 of 1 : SP_2017_RD1500_189_162_20170516_00259.jpg



View of slope stability on waterside slope. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	9.71	Rating **	M	Issue No.	161
LM End	11.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.853620 °	38.871969 °	
			-121.725478 °	-121.750383 °	
DWR ID	DWR_RD1500_01_s_2017_161				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.93	Rating **	M	Issue No.	164
LM End	10.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.855095 °	38.860990 °	
			-121.727870 °	-121.733355 °	
DWR ID	DWR_RD1500_01_s_2017_164				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	10.65	Rating **	M	Issue No.	165
LM End	11.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.861402 °	38.865883 °	
			-121.736176 °	-121.745489 °	
DWR ID	DWR_RD1500_01_s_2017_165				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	11.34	Rating **	M	Issue No.	166
LM End	12.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.866999 °	38.869006 °
				-121.746149 °	-121.759788 °
DWR ID	DWR_RD1500_01_s_2017_166				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	11.80	Rating **	A/W	Issue No.	19
LM End	11.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.871853 °	38.870581 °
				-121.749330 °	-121.752059 °
DWR ID	DWR_RD1500_01_s_2016_19				
Comment Code					
Inspector Comment					
1997 - No toe on the large upstream rubble (mix of broken concrete, bricks, rock, and steal) - should be replaced. Oversized bank. 2001 - New slump at the downstream end. 2003 - Some minor bank retreat at the downstream end. 2004 - Some new retreat at the downstream end. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Minor new erosion. 2011 - Minor new erosion at the toe. 2015: Fresh slumping. [2015 Site ID: SAC_95-8_L]					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	11.99	Rating **	A/W	Issue No.	1
LM End	12.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.870474 °	38.869139 °
				-121.752237 °	-121.757108 °
DWR ID	DWR_RD1500_01_s_2016_1				
Comment Code					
Inspector Comment					
2000 - Vertical Modesto Formation bank with mass failure. 2003 - Upstream end has some new bank retreat. 2004 - Upstream end is worse. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Some new erosion and deposition at upstream end, definite encroachments. 2011 - Minor new erosion at the toe. 2015: Site removed, sufficient berm width. [2015 Site ID: SAC_96-2_L]					

Photo 1 of 1 : SP_2017_RD1500_189_1_20170320_00001.jpg



USACE 2013 Photo #1

LM Start	12.01	Rating **	M	Issue No.	116
LM End	12.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.870730 °	38.870730 °
				-121.752908 °	-121.752908 °
DWR ID	DWR_RD1500_01_s_2017_116				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff erosion on landside levee slope.					

Photo 1 of 1 : SP_2017_RD1500_189_116_20170516_00260.jpg



View of erosion on landside slope. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	12.06	Rating **	M	Issue No.	168
LM End	12.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.870439 °	38.870439 °
				-121.753710 °	-121.753710 °
DWR ID	DWR_RD1500_01_s_2017_168				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff erosion on waterside levee slope.					

Photo 1 of 1 : SP_2017_RD1500_189_168_20170516_00261.jpg



View of erosion on waterside slope. Spring 2017.

LM Start	12.08	Rating **	M	Issue No.	167
LM End	12.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.870369 °	38.865512 °
				-121.754009 °	-121.764482 °
DWR ID	DWR_RD1500_01_s_2017_167				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	12.55	Rating **	M	Issue No.	2573
LM End	12.55	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.867254 °	38.867254 °	
			-121.761212 °	-121.761212 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:50197
DS_ID:20063
EP_NO: 10061
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 08/29/2016 Same as last inspection. (K. Fazel - UCIP)01/10/2014 Needs proper abandonment. (P. Amatya - DWR)
FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in 4-foot by 4-foot concrete box at the waterside (WS) toe. Concrete box at the landside (LS) toe. Pipe crosses overflow area to the river.
(Automatic Board Order (ABO) issued as Permit No. 10061, 1974 - Matteoli). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960 (HLM 12.69)].
FS Date: 8/29/2016

LM Start	12.55	Rating **	M	Issue No.	2573 (cont)
LM End	12.55	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_50197_52425.jpg



WS view: slide gate (left) in concrete box at levee toe. Slide gate and the box mostly burried.

Photo 2 of 3 : UCIP_SP_2017_50197_52424.jpg



LS view: concrete intake box on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	12.55	Rating **	M	Issue No.	2573 (cont)	
LM End	12.55	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.867254 °		38.867254 °
				-121.761212 °		-121.761212 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50197 DS_ID:20063 EP_NO: 10061 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/29/2016 Same as last inspection. (K. Fazel - UCIP)01/10/2014 Needs proper abandonment. (P. Amatya - DWR) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in 4-foot by 4-foot concrete box at the waterside (WS) toe. Concrete box at the landside (LS) toe. Pipe crosses overflow area to the river. (Automatic Board Order (ABO) issued as Permit No. 10061, 1974 - Matteoli). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960 (HLM 12.69)]. FS Date: 8/29/2016						

Photo 3 of 3 : UCIP_SP_2017_50197_52423.jpg



LS view: silted CMP in concrete intake box on levee toe.

LM Start	12.57	Rating **	M	Issue No.	118
LM End	12.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.867108 °	38.867108 °
				-121.761498 °	-121.761498 °
DWR ID	DWR_RD1500_01_f_2015_118				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_118_20170320_00076.jpg



View of the erosion on the waterward side of the levee looking upstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	12.90	Rating **	M	Issue No.	169
LM End	13.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.864411 °	38.862437 °	
			-121.766538 °	-121.774814 °	
DWR ID	DWR_RD1500_01_s_2017_169				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	13.05	Rating **	M	Issue No.	170
LM End	14.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.863113 °	38.861335 °	
			-121.768721 °	-121.783610 °	
DWR ID	DWR_RD1500_01_s_2017_170				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	13.98	Rating **	A/W	Issue No.	10
LM End	14.26	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.857239 °	38.861899 °	
			-121.783771 °	-121.784057 °	
DWR ID	DWR_RD1500_01_s_2016_10				
Comment Code					
Inspector Comment					
1997 - Intermittent toe failure of the hand placed riprap; failure of toe materials. 2015: No observed changes. [2015 Site ID: SAC_99-0_L]					

Photo 1 of 1 : SP_2017_RD1500_189_10_20170320_00011.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	14.29	Rating **	U	Issue No.	77
LM End	14.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.862004°	38.865459°
				-121.783756°	-121.789188°
DWR ID	DWR_RD1500_01_s_2017_77				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_77_20170516_00262.jpg



Tall grass on landside levee slope, blocking visibility. Spring 2017.

LM Start	14.70	Rating **	M	Issue No.	115
LM End	16.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.865452 °	38.875126 °
				-121.789204 °	-121.811792 °
DWR ID	DWR_RD1500_01_s_2017_115				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	15.43	Rating **	M	Issue No.	120
LM End	15.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.869466 °	38.869466 °
				-121.798952 °	-121.798952 °
DWR ID	DWR_RD1500_01_f_2016_120				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_120_20170320_00078.jpg



View of rodent burrow on waterward side of the levee. Fall 2016.

LM Start	15.73	Rating **	A/W	Issue No.	2575
LM End	15.73	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.871595 °	38.871595 °
				-121.803648 °	-121.803648 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50196 DS_ID:20011 EP_NO: 9337 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/29/2016 As it currently stands, there is no connection to the river, as, according to LMA, this pipe is used for irrigation of WS fields. (K. Fazel - UCIP)01/10/2014 No pipe found on river bank. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch corrugated metal pipe (CMP) through the levee, 16 feet below the crown. Slide gate in a 36-inch CMP riser on the waterside (WS) slope. Slide gate on a concrete "U" headwall at the landside (LS) toe. Per LMA, water is pumped into the LS canal via a LS pump upstream of the crossing. Water then flows through the CMP crossing by gravity for irrigation of WS fields. Permit is forthcoming with Dave Burrows of Winsept Farms as the applicant. (Automatic Board Order (ABO) issued as Permit No. 9337, 1973 - Clauss). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960 (HLM 15.89)]. FS Date: 8/29/2016					

Photo 1 of 3 : UCIP_SP_2017_50196_52467.jpg



WS view: CMP riser with slide gate on levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	15.73	Rating **	A/W	Issue No.	2575 (cont)
LM End	15.73	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.871595 °	38.871595 °
				-121.803648 °	-121.803648 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50196
DS_ID:20011
EP_NO: 9337
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 08/29/2016 As it currently stands, there is no connection to the river, as, according to LMA, this pipe is used for irrigation of WS fields. (K. Fazel - UCIP)01/10/2014 No pipe found on river bank. (P. Amatya - DWR)
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe (CMP) through the levee, 16 feet below the crown. Slide gate in a 36-inch CMP riser on the waterside (WS) slope. Slide gate on a concrete "U" headwall at the landside (LS) toe. Per LMA, water is pumped into the LS canal via a LS pump upstream of the crossing. Water then flows through the CMP crossing by gravity for irrigation of WS fields. Permit is forthcoming with Dave Burrows of Winsept Farms as the applicant. (Automatic Board Order (ABO) issued as Permit No. 9337, 1973 - Clauss). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960 (HLM 15.89)].
FS Date: 8/29/2016

LM Start	15.73	Rating **	A/W	Issue No.	2575 (cont)
LM End	15.73	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_50196_52466.jpg



WS view: inside view of CMP riser with slide gate.

Photo 3 of 3 : UCIP_SP_2017_50196_52465.jpg



LS view: CMP outlet with slide gate and U type headwall on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	16.31	Rating **	M	Issue No.	112
LM End	18.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.875975 °	38.901461 °
				-121.812500 °	-121.791380 °
DWR ID	DWR_RD1500_01_s_2017_112				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	17.34	Rating **	M	Issue No.	121
LM End	17.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.888137 °	38.888137 °
				-121.807273 °	-121.807273 °
DWR ID	DWR_RD1500_01_f_2015_121				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Pipe is causing the erosion on the berm of the levee.					

Photo 1 of 3 : SP_2017_RD1500_189_121_20170320_00079.jpg



Perspective view of the pump on the waterward side of the levee looking upstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	17.34	Rating **	M	Issue No.	121 (cont)
LM End	17.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.888137 °	38.888137 °
				-121.807273 °	-121.807273 °
DWR ID	DWR_RD1500_01_f_2015_121				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Pipe is causing the erosion on the berm of the levee.					

Photo 2 of 3 : SP_2017_RD1500_189_121_20170320_00080.jpg



There is erosion underneath the pipe on the waterward berm area. Fall 2015.

LM Start	17.34	Rating **	M	Issue No.	121 (cont)
LM End	17.34	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2017_RD1500_189_121_20170320_00081.jpg



The concrete for the base stand has been exposed due to erosion.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

Photo 1 of 1 : SP_2017_RD1500_189_13_20170320_00013.jpg



USACE 2013 Photo #1

Photo 1 of 1 : SP_2017_RD1500_189_113_20170320_00069.jpg



Debris on landside slope of the levee. Fall 2016.

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	19.05	Rating **	M	Issue No.	111
LM End	19.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.902450 °	38.906917 °
				-121.790506 °	-121.793272 °
DWR ID	DWR_RD1500_01_s_2017_111				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	19.16	Rating **	A/W	Issue No.	5
LM End	19.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.904041 °	38.906697 °
				-121.790298 °	-121.792796 °
DWR ID	DWR_RD1500_01_s_2016_5				
Comment Code					
Inspector Comment					
1997 - Cobbles eroded off the clay materials; not much evidence of erosion on the toe; cobble loss on the toe. 2011 - Some minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_104-5_L]					

Photo 1 of 1 : SP_2017_RD1500_189_5_20170320_00005.jpg



USACE 2013 Photo #1

LM Start	19.50	Rating **	M	Issue No.	93
LM End	29.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.906853 °	38.989528 °
				-121.793507 °	-121.800491 °
DWR ID	DWR_RD1500_01_s_2017_93				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	19.50	Rating **	M	Issue No.	94
LM End	29.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.906853 °	38.989529 °	
			-121.793507 °	-121.800491 °	
DWR ID	DWR_RD1500_01_s_2017_94				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	19.87	Rating **	M	Issue No.	96
LM End	19.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.906260 °	38.906260 °	
			-121.800129 °	-121.800129 °	
DWR ID	DWR_RD1500_01_f_2016_96				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	21.57	Rating **	M	Issue No.	97
LM End	21.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.916196°	38.916196°	
			-121.808595°	-121.808595°	
DWR ID	DWR_RD1500_01_f_2016_97				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	21.65	Rating **	M	Issue No.	95
LM End	21.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.916119°	38.916119°	
			-121.810163°	-121.810163°	
DWR ID	DWR_RD1500_01_s_2017_95				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on waterside shoulder.					

Photo 1 of 1 : SP_2017_RD1500_189_95_20170516_00249.jpg



View of rodent holes on waterside shoulder. Spring 2017.

LM Start	24.65	Rating **	C	Issue No.	100
LM End	24.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.941877°	38.941877°	
			-121.833217°	-121.833217°	
DWR ID	DWR_RD1500_01_f_2016_100				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	24.76	Rating **	U	Issue No.	102
LM End	24.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.942828 °	38.942828 °
				-121.834811 °	-121.834811 °
DWR ID	DWR_RD1500_01_f_2015_102				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 3 : SP_2017_RD1500_189_102_20170320_00058.jpg



A number of burrows was observed at this site on landward slope. Fall 2016.

LM Start	24.76	Rating **	U	Issue No.	102 (cont)
LM End	24.76	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2017_RD1500_189_102_20170320_00059.jpg



Landside slope perspective view. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	24.76	Rating **	U	Issue No.	102 (cont)	
LM End	24.76	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.942828 °		38.942828 °
				-121.834811 °		-121.834811 °
DWR ID	DWR_RD1500_01_f_2015_102					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						

Photo 3 of 3 : SP_2017_RD1500_189_102_20170320_00060.jpg



View of rodent hole on the landward side of the levee looking upstream.
Spring 2016.

LM Start	24.82	Rating **	C	Issue No.	101
LM End	24.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.943510 °	38.943510 °
				-121.835431 °	-121.835431 °
DWR ID	DWR_RD1500_01_f_2016_101				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	24.98	Rating **	C	Issue No.	103
LM End	24.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.945861 °	38.945861 °
				-121.835964 °	-121.835964 °
DWR ID	DWR_RD1500_01_f_2016_103				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	25.68	Rating **	U	Issue No.	104
LM End	25.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.955445 °	38.955445 °
				-121.837473 °	-121.837473 °
DWR ID	DWR_RD1500_01_f_2016_104				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_104_20170320_00061.jpg



More than 2 cu.ft. of soil was observed around burrows on LS slope of the levee. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	28.94	Rating **	A/W	Issue No.	84
LM End	29.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.988072 °	38.988572 °
				-121.811737 °	-121.807520 °
DWR ID	DWR_RD1500_01_s_2012_84				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD1500_189_84_20170320_00047.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

LM Start	28.94	Rating **	A/W	Issue No.	84 (cont)
LM End	29.17	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD1500_189_84_20170320_00048.jpg



Sign for the revegetation site. Spring 2016.

LM Start	29.92	Rating **	M	Issue No.	110
LM End	30.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.993135 °	38.995898 °
				-121.795859 °	-121.794334 °
DWR ID	DWR_RD1500_01_s_2017_110				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	29.92	Rating **	M	Issue No.	126
LM End	30.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.993135 °	38.996898 °
				-121.795859 °	-121.794645 °
DWR ID	DWR_RD1500_01_s_2017_126				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	30.28	Rating **	M	Issue No.	130
LM End	32.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997881 °	39.020168 °
				-121.795362 °	-121.820345 °
DWR ID	DWR_RD1500_01_s_2017_130				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	30.28	Rating **	M	Issue No.	139
LM End	30.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997882 °	39.002013 °
				-121.795362 °	-121.802753 °
DWR ID	DWR_RD1500_01_s_2017_139				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	30.60	Rating **	A/W	Issue No.	22
LM End	30.75	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.999745 °	39.001413 °
				-121.800898 °	-121.802889 °
DWR ID	DWR_RD1500_01_s_2016_22				
Comment Code					
Inspector Comment					
2000 - Eroding, vertical berm slope over a vertical cohesive toe; slow erosion but getting close to the toe. 2002 - Erosion is getting close to the levee, still eroding with some new small slumps. 2004 - Some minor new erosion. 2006 - Some new erosion, cleaned off older scars and slump faces. 2008 - New, small, partial rotational failure. 2011 - Some new minor erosion. 2015: No observed changes. [2015 Site ID: SAC 116-0 L]					

Photo 1 of 1 : SP_2017_RD1500_189_22_20170320_00020.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	30.86	Rating **	M	Issue No.	141
LM End	32.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.002881 °	39.020168 °
				-121.803637 °	-121.820345 °
DWR ID	DWR_RD1500_01_s_2017_141				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	30.94	Rating **	A/W	Issue No.	15
LM End	31.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.003301 °	39.006072 °
				-121.805024 °	-121.815926 °
DWR ID	DWR_RD1500_01_s_2016_15				
Comment Code					
Inspector Comment					
2003 - New sedimentation and some new small toe scallops at the upstream end; downstream end has some new erosion. 2004 - Some new erosion at the toe and upper bank and some small new rotational failures (mainly minor, except at the downstream end). 2007 - Some new slumps. 2009 - Some new scallops and site was extended upstream. 2010 - New deposition along upstream end of site, however there is also new erosion throughout the site. Site seems to be worsening, and eroding fast. Large habitat for bank swallows. 2011 - Some new minor erosion. 2012 - Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_116-5_L]					

Photo 1 of 1 : SP_2017_RD1500_189_15_20170320_00014.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	31.48	Rating **	M	Issue No.	143
LM End	31.61	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.006855 °	39.006486 °
				-121.813701 °	-121.816119 °
DWR ID	DWR_RD1500_01_s_2017_143				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	32.98	Rating **	M	Issue No.	144	
LM End	32.98	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			39.020782 °		39.020782 °
				-121.820275 °		-121.820275 °
DWR ID	DWR_RD1500_01_s_2017_144					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Runoff erosion on landside slope.						

Photo 1 of 1 : SP_2017_RD1500_189_144_20170516_00250.jpg



View of erosion on landside slope. Spring 2017.

LM Start	32.98	Rating **	M	Issue No.	107
LM End	32.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.020874 °	39.020874 °
				-121.820266 °	-121.820266 °
DWR ID	DWR_RD1500_01_f_2016_107				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_107_20170320_00064.jpg



View of rodent burrows on landside slope. Fall 2016.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	32.99	Rating **	M	Issue No.	106
LM End	32.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.021016 °	39.021016 °
				-121.820261 °	-121.820261 °
DWR ID	DWR_RD1500_01_f_2016_106				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_189_106_20170320_00063.jpg



View of erosion site on LS slope of the levee. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	17
LM End	20.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.761082 °	39.021279 °	
			-121.674695 °	-121.741092 °	
DWR ID	DWR_RD1500_02_s_2017_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.02	Rating **	M	Issue No.	18
LM End	20.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.761313 °	39.021279 °	
			-121.674318 °	-121.741092 °	
DWR ID	DWR_RD1500_02_s_2017_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	23
LM End	1.92	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783865 °	38.783865 °
				-121.655170 °	-121.655170 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:28886 DS_ID:20020 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: 1 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M Manual Sac 129, June 1954. Latest revision March 2011. FS Date: 1/21/2014					

LM Start	1.92	Rating **	A/W	Issue No.	23 (cont)
LM End	1.92	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_28886_53098.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

Photo 2 of 3 : UCIP_SP_2017_28886_53096.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	24 (cont)
LM End	1.92	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783885 °	38.783885 °
				-121.655158 °	-121.655158 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28883
DS_ID:20027
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.
FIELD_STRUCT_DESC: 2 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M Manual Sac 129, June 1954. Latest revision March 2011.
FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	24 (cont)
LM End	1.92	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_28883_53083.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

Photo 3 of 3 : UCIP_SP_2017_28883_53084.jpg



LS view: pump house at the end of levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	25
LM End	1.92	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783904 °	38.783904 °
				-121.655149 °	-121.655149 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28884
DS_ID:20028
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.
FIELD_STRUCT_DESC: 3 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M Manual Sac 129, June 1954. Latest revision March 2011.
FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	25 (cont)
LM End	1.92	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_28884_53089.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

Photo 2 of 3 : UCIP_SP_2017_28884_53088.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	25 (cont)	
LM End	1.92	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.783904 °	38.783904 °	
				-121.655149 °	-121.655149 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:28884 DS_ID:20028 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: 3 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M Manual Sac 129, June 1954. Latest revision March 2011. FS Date: 1/21/2014						

Photo 3 of 3 : UCIP_SP_2017_28884_53099.jpg



LS view: pump house at the end of levee berm.

LM Start	1.92	Rating **	A/W	Issue No.	26
LM End	1.92	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783924 °	38.783924 °
				-121.655140 °	-121.655140 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:28885 DS_ID:20029 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: 4 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M Manual Sac 129, June 1954. Latest revision March 2011. FS Date: 1/21/2014					

Photo 1 of 3 : UCIP_SP_2017_28885_53095.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	26 (cont)
LM End	1.92	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783924 °	38.783924 °
				-121.655140 °	-121.655140 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28885
DS_ID:20029
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.
FIELD_STRUCT_DESC: 4 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M Manual Sac 129, June 1954. Latest revision March 2011.
FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	26 (cont)
LM End	1.92	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_28885_53094.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

Photo 3 of 3 : UCIP_SP_2017_28885_53093.jpg



LS view: pump house at the end of levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	27
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784097 °	38.784097 °
				-121.655073 °	-121.655073 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28954
DS_ID:20019
EP_NO: 10088
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: USED Bench Mark on concrete structure at waterside shoulder.
FIELD_STRUCT_DESC: 1 of 3: Three 4x4 feet concrete conduits through levee, 37 feet below crown, pumps in concrete pump house on landside. Slide gates mounted on concrete structure on waterside slope. Discharge in borrow pit. Flap gates on waterside end. (ABO No. 10088 - R.D. 1500). Pumping plant 2. O&M Manual Sac 129, June 1954. Latest revision March 2011.
FS Date: 1/21/2014

LM Start	1.93	Rating **	A/W	Issue No.	27 (cont)
LM End	1.93	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_28954_53260.jpg



WS view: U type concrete headwall and flap gates on levee toe.

Photo 2 of 3 : UCIP_SP_2017_28954_53259.jpg



WS view: concrete surge structure on waterside shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	27 (cont)
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784097 °	38.784097 °
				-121.655073 °	-121.655073 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:28954 DS_ID:20019 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: USED Bench Mark on concrete structure at waterside shoulder. FIELD_STRUCT_DESC: 1 of 3: Three 4x4 feet concrete conduits through levee, 37 feet below crown, pumps in concrete pump house on landside. Slide gates mounted on concrete structure on waterside slope. Discharge in borrow pit. Flap gates on waterside end. (ABO No. 10088 - R.D. 1500). Pumping plant 2. O&M Manual Sac 129, June 1954. Latest revision March 2011. FS Date: 1/21/2014					

Photo 3 of 3 : UCIP_SP_2017_28954_53262.jpg



WS view: USED Bench Mark on concrete structure on levee shoulder.

LM Start	1.93	Rating **	A/W	Issue No.	28
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784111 °	38.784111 °
				-121.655067 °	-121.655067 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:28955 DS_ID:20025 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: USED Bench Mark on concrete structure at levee shoulder. FIELD_STRUCT_DESC: 2 of 3: Three 4x4 feet concrete conduits through levee, 37 feet below crown, pumps in concrete pump house on landside. Slide gates mounted on concrete structure on waterside slope. Discharge in borrow pit. Flap gates on waterside end. (ABO No. 10088 - R.D. 1500). Pumping plant 2. O&M Manual Sac 129, June 1954. Latest revision March 2011. FS Date: 1/21/2014					

Photo 1 of 3 : UCIP_SP_2017_28955_53265.jpg



WS view: U type concrete headwall and flap gates on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	31
LM End	1.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784818 °	38.784818 °
				-121.654778 °	-121.654778 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28892
DS_ID:20092
EP_NO: 10088
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder.
FIELD_STRUCT_DESC: 2 of 3: Three 7-foot by 7-foot concrete culverts through levee 24.0-feet below crown. Pumps in concrete pump house on landward side. Slide gates on concrete structure on waterward slope. Discharge in concrete spillway and borrow pit. Ramp on waterward slope. (ABO No. 10088 R.D. 1500). O&M Manual Sac 129, June 1954. Latest revision March 2011.
FS Date: 1/21/2014

LM Start	1.98	Rating **	A/W	Issue No.	31 (cont)
LM End	1.98	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_28892_53147.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

Photo 2 of 3 : UCIP_SP_2017_28892_53146.jpg



WS view: slide gate in concrete box on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	31 (cont)
LM End	1.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784818 °	38.784818 °
				-121.654778 °	-121.654778 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:28892 DS_ID:20092 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: 2 of 3: Three 7-foot by 7-foot concrete culverts through levee 24.0-feet below crown. Pumps in concrete pump house on landward side. Slide gates on concrete structure on waterward slope. Discharge in concrete spillway and borrow pit. Ramp on waterward slope. (ABO No. 10088 R.D. 1500). O&M Manual Sac 129, June 1954. Latest revision March 2011. FS Date: 1/21/2014					

Photo 3 of 3 : UCIP_SP_2017_28892_53145.jpg



WS view: inside view of concrete box on levee shoulder.

LM Start	1.99	Rating **	A/W	Issue No.	32
LM End	1.99	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784856 °	38.784856 °
				-121.654762 °	-121.654762 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:28893					
DS_ID:20093					
EP_NO: 10088					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Pumping plant was working during the field visit.Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder.					
FIELD_STRUCT_DESC: 3 of 3: Three 7-foot by 7-foot concrete culverts through levee 24.0-feet below crown. Pumps in concrete pump house on landward side. Slide gates on concrete structure on waterward slope. Discharge in concrete spillway and borrow pit. Ramp on waterward slope. (ABO No. 10088 R.D. 1500). O&M Manual Sac 129, June 1954. Latest revision March 2011.					
FS Date: 1/21/2014					

Photo 1 of 3 : UCIP_SP_2017_28893_53157.jpg



WS view: slide gate in concrete box on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	7.17	Rating **	M	Issue No.	20
LM End	7.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.857481 °	38.857481 °
				-121.650931 °	-121.650931 °
DWR ID	DWR_RD1500_02_s _ 2017_20				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

LM Start	9.73	Rating **	C	Issue No.	19
LM End	9.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.891630 °	38.891630 °
				-121.636393 °	-121.636393 °
DWR ID	DWR_RD1500_02_s _ 2016_19				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	14.13	Rating **	U	Issue No.	4
LM End	14.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			38.947628 °	38.947628 °
				-121.669764 °	-121.669764 °
DWR ID	DWR_RD1500_02_s_2012_4				
Comment Code					
Inspector Comment					
Concrete pad and PVC underneath is broken.					

Photo 1 of 3 : SP_2017_RD1500_190_4_20170320_00002.jpg



View of underseepage relief well. Concrete pad as well as PVC pipes underneath are destroyed apparently by an attempt to pull out the head of the well. Fall 2016.

LM Start	14.13	Rating **	U	Issue No.	4 (cont)
LM End	14.13	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2017_RD1500_190_4_20170320_00003.jpg



Another view of damaged well. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	14.13	Rating **	U	Issue No.	4 (cont)	
LM End	14.13	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Underseepage Relief Wells			38.947628 °	38.947628 °	
				-121.669764 °	-121.669764 °	
DWR ID	DWR_RD1500_02_s _ 2012_4					
Comment Code						
Inspector Comment						
Concrete pad and PVC underneath is broken.						

Photo 3 of 3 : SP_2017_RD1500_190_4_20170320_00004.jpg



View of the relief well at historical boil 12. Fall 2015.

LM Start	14.47	Rating **	A/W	Issue No.	11
LM End	14.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			38.951413 °	38.951413 °
				-121.673856 °	-121.673856 °
DWR ID	DWR_RD1500_02_s _ 2012_11				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD1500_190_11_20170320_00005.jpg



A relief well at historical boil 16. Fall 2015.

LM Start	16.01	Rating **	M	Issue No.	2
LM End	16.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.966804 °	38.966804 °
				-121.694527 °	-121.694527 °
DWR ID	DWR_RD1500_02_s _ 2017_2				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojoia

LM Start	20.19	Rating **	M	Issue No.	21
LM End	20.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.013963 °	39.013963 °
				-121.738087 °	-121.738087 °
DWR ID	DWR_RD1500_02_s_2017_21				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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